

INTERNATIONAL SEARCH REPORT

International application No.

PCT/SE 2004/001418

A. CLASSIFICATION OF SUBJECT MATTER

IPC7: A61L 27/50, A61F 2/02, C12N 11/02

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: A61L, A61F, C12N, A61K, A61M

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

WPI DATA, EPO-INTERNAL, PAJ, BIOSIS, MEDLINE

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6372244 B1 (RICHARD D. ANTANAVICH ET AL), 16 April 2002 (16.04.2002), claims 1-3, see the whole description --	1-10
A	US 5876742 A (KENT C. COCHRUM ET AL), 2 March 1999 (02.03.1999), column 1, line 50 - line 55; column 4, line 32 - line 41; column 8, column 18, line 66 - column 19, line 9, claim 1 --	1-10
A	US 5782912 A (JAMES H. BRAUKER ET AL), 21 July 1998 (21.07.1998) --	1-10

☒ Further documents are listed in the continuation of Box C.☒ See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

6 December 2004

Date of mailing of the international search report

28 -12- 2004

Name and mailing address of the ISA/

Swedish Patent Office

Box 5055, S-102 42 STOCKHOLM

Facsimile No. +46 8 666 02 86

Authorized officer

JOHANNA BROLUND/BS

Telephone No. +46 8 782 25 00

INTERNATIONAL SEARCH REPORT

International application No.

PCT/SE 2004/001418

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5843069 A (MARK D. BUTLER ET AL), 1 December 1998 (01.12.1998), column 1, line 35 - line 64; column 7 - column 9, claims 1-38 --	1-10
A	US 6083523 A (KEITH E. DIONNE ET AL), 4 July 2000 (04.07.2000), column 12 - column 14 --	1-10
A	US 4752294 A (DAN LUNDGREN), 21 June 1988 (21.06.1988) -- -----	1-10

INTERNATIONAL SEARCH REPORT

International application No.
PCT/SE2004/001418

Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.: 7
because they relate to subject matter not required to be searched by this Authority, namely:
See Supplemental sheet
2. ☐ Claims Nos.:
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

International application No.
PCT/SE2004/001418

Supplemental sheet

Claim 7 relates to a method of treatment of the human or animal body by surgery or by therapy, as well as diagnostic methods /Rule 39.1(iv). Nevertheless, a search has been executed for this claim. The search has been based on the alleged effects of the product.

INTERNATIONAL SEARCH REPORT

Information on patent family members

30/10/2004

International application No.

PCT/SE 2004/001418

US 6372244 B1 16/04/2002

US	6165225 A	26/12/2000
AU	725104 B	05/10/2000
AU	7432796 A	30/04/1997
CA	2234233 A	17/04/1997
EP	0862391 A	09/09/1998
US	5855613 A	05/01/1999
WO	9713474 A	17/04/1997

US 5876742 A 02/03/1999

AU	5360598 A	22/06/1998
EP	1011518 A	28/06/2000
WO	9823226 A	04/06/1998
AT	250398 T	15/10/2003
CA	2180737 A	27/07/1995
DE	69531821 D,T	01/07/2004
EP	0741550 A,B	13/11/1996
US	5578314 A	26/11/1996
US	5643594 A	01/07/1997
US	6001387 A	14/12/1999
WO	9519743 A	27/07/1995

INTERNATIONAL SEARCH REPORT
Information on patent family members

30/10/2004

International application No.

PCT/SE 2004/001418

US 5782912 A 21/07/1998

US	5713888 A	03/02/1998
US	5741330 A	21/04/1998
US	5800529 A	01/09/1998
US	5882354 A	16/03/1999
US	5964804 A	12/10/1999
US	5545223 A	13/08/1996
US	5733336 A	31/03/1998
AT	138256 T	15/06/1996
AU	645155 B	06/01/1994
AU	8951491 A	26/05/1992
BR	9106205 A	30/03/1993
CA	2070816 A	01/05/1992
CN	1063046 A	29/07/1992
DE	69119748 D,T	05/12/1996
DK	507933 T	17/06/1996
EP	0507933 A,B	14/10/1992
SE	0507933 T3	
ES	2090364 T	16/10/1996
FI	923023 A	29/06/1992
GR	3020673 T	31/10/1996
IE	75706 B	10/09/1997
IE	913802 A	22/05/1992
IL	99732 A	31/03/1996
JP	3508023 B	22/03/2004
JP	5504704 T	22/07/1993
KR	169495 B	15/01/1999
MX	9101734 A	05/06/1992
NO	300993 B	01/09/1997
NO	922566 A	29/06/1992
TW	393322 B	00/00/0000
US	5314471 A	24/05/1994
US	5344454 A	06/09/1994
US	5453278 A	26/09/1995
US	5593440 A	14/01/1997
US	5653756 A	05/08/1997
US	6773458 B	10/08/2004
WO	9207525 A	14/05/1992

INTERNATIONAL SEARCH REPORT
Information on patent family members

30/10/2004

International application No.

PCT/SE 2004/001418

US 5843069 A 01/12/1998

US 6471687 B 29/10/2002
US 20020049426 A 25/04/2002
AU 6251196 A 30/12/1996
CA 2190628 A,C 08/12/1996
DE 69630266 D,T 09/09/2004
EP 0773753 A,B 21/05/1997
SE 0773753 T3
FR 2735032 A,B 13/12/1996
IT 1283112 B 07/04/1998
IT MI961171 A 09/12/1997
JP 10503964 T 14/04/1998
NL 1003300 A,C 10/12/1996
US 5913998 A 22/06/1999
WO 9639993 A 19/12/1996

US 6083523 A 04/07/2000

US 6322804 B 27/11/2001
US 20020150603 A 17/10/2002
US 20040185083 A 23/09/2004
US 5874099 A 23/02/1999
AU 666118 B 01/02/1996
CA 2109085 A,C 26/10/1992
~~DE 69221484 D,T 19/02/1998~~
EP 0585368 A,B 09/03/1994
SE 0585368 T3
FI 934545 A 01/12/1993
GR 3025301 T 27/02/1998
HK 1001832 A 00/00/0000
JP 6507412 T 25/08/1994
NO 308198 B 14/08/2000
NO 933842 A 25/10/1993
US 5871767 A 16/02/1999
US 5955095 A 21/09/1999
AT 156344 T 15/08/1997
AU 682796 B 16/10/1997
AU 2004192 A 21/12/1992
AU 3902095 A 01/02/1996
DK 585368 T 16/03/1998
ES 2107537 T 01/12/1997
SG 47470 A 17/04/1998
US 5798113 A 25/08/1998
US 5800828 A 01/09/1998
US 5834001 A 10/11/1998
US 5869077 A 09/02/1999
WO 9219195 A 12/11/1992

INTERNATIONAL SEARCH REPORT

Information on patent family members

30/10/2004

International application No.

PCT/SE 2004/001418

US	4752294	A	21/06/1988	AT	64291	T	15/06/1991
				AU	583814	B	11/05/1989
				AU	3992985	A	03/06/1986
				DE	3583239	D	00/00/0000
				DK	164081	B,C	11/05/1992
				DK	323886	A	07/07/1986
				EP	0231166	A,B	12/08/1987
				SE	0231166	T3	
				JP	5014587	B	25/02/1993
				JP	62500980	T	23/04/1987
				KR	9300686	B	29/01/1993
				NO	163937	B,C	07/05/1990
				NO	862742	A	16/09/1986
				SE	450623	B,C	13/07/1987
				SE	462416	B,C	25/06/1990
				SE	8405568	A	08/05/1986
				SE	8701832	A	05/05/1987
				WO	8602824	A	22/05/1986
